



## Human Anatomy and Physiology

### Important questions

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- 1) Draw a labeled diagram of a cell. Describe its components and function.
- 2) Define and classify tissue. Write a note on muscular and nervous tissue.
- 3) Define joint. Give the classification of joints with suitable examples.
- 4) Write down the process of Hemopoiesis. Discuss about blood groups.
- 5) Write the composition and functions of blood.
- 6) Draw a neat labeled diagram of the heart. Describe the structure and functions of the heart.
- 7) How blood pressure is regulated in the body. Justify it
- 8) Describe the parts of the respiratory system and discuss the mechanism of respiration.
- 9) Describe digestive system with diagram. Give the composition and function of gastric juice.
- 10) Explain the physiology of muscle contraction.
- 11) Describe the anatomy and physiology of cerebrum and cerebellum.

- 12) Differentiate between sympathetic and parasympathetic nervous systems.
- 13) Discuss the functions of hypothalamus and medulla Oblongata.
- 14) Describe the structure and functions of Eye / Skin with a labeled diagram.
- 15) Write down the physiology of urine formation.
- 16) Explain the role of the Renin angiotensin system in the regulation of blood pressure.
- 17) Give the location of Adrenal gland. Write the function of the hormones secreted by cortex part of the adrenal gland.
- 18) Define pituitary gland. Write the function of the hormones secreted by the Pituitary gland.
- 19) Explain Male / Female reproductive system.
- 20) Discuss the physiology of menstruation.
- 21) Explain the process of spermatogenesis / Oogenesis
- 22) Write note on:
- Blood clotting
  - Spleen and lymph node
  - CSF
  - Cardiac cycle
  - Flow of blood through heart.